

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629958

Luminaire Tested: GWS-SA1C-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2587.1 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

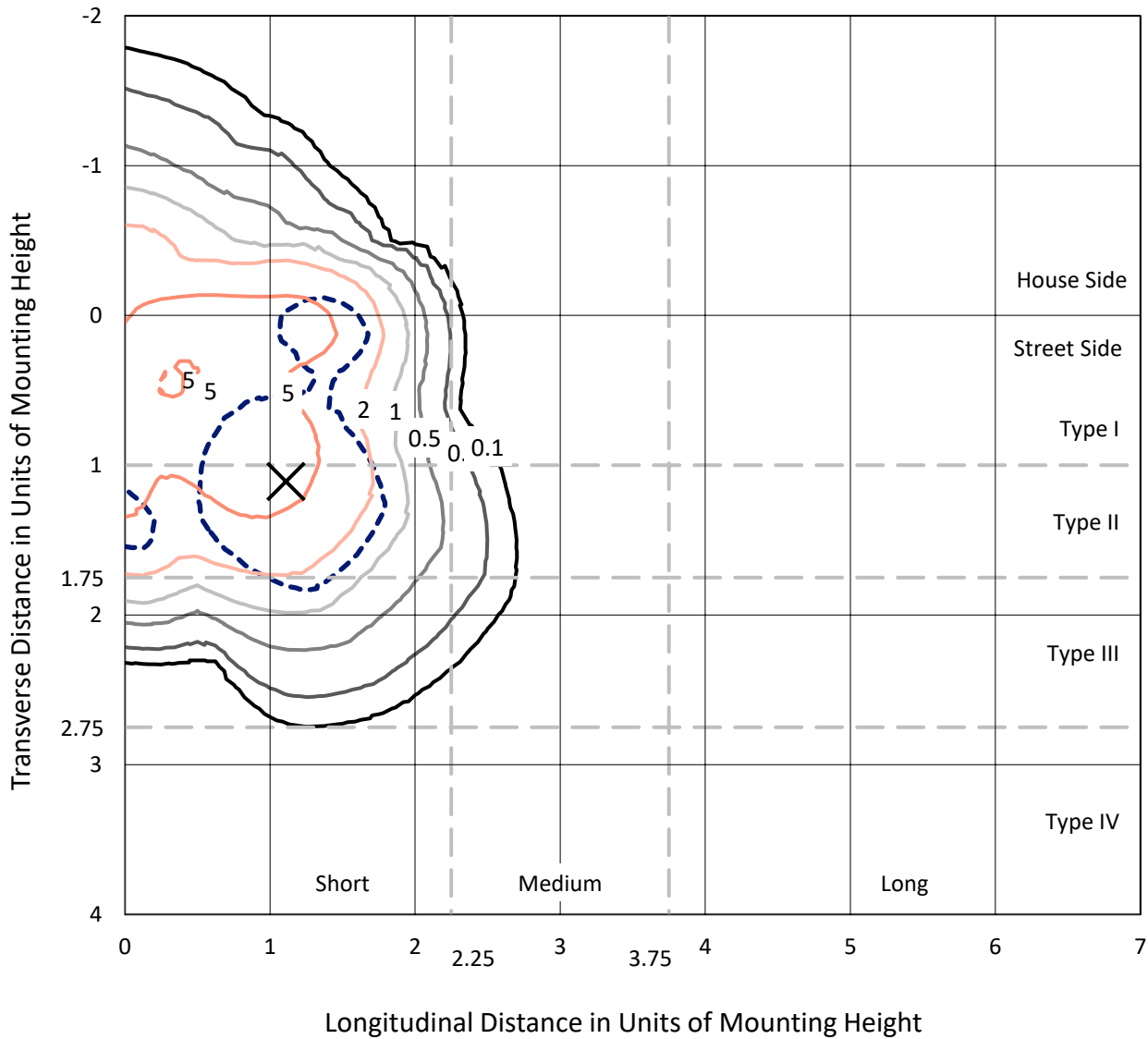
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

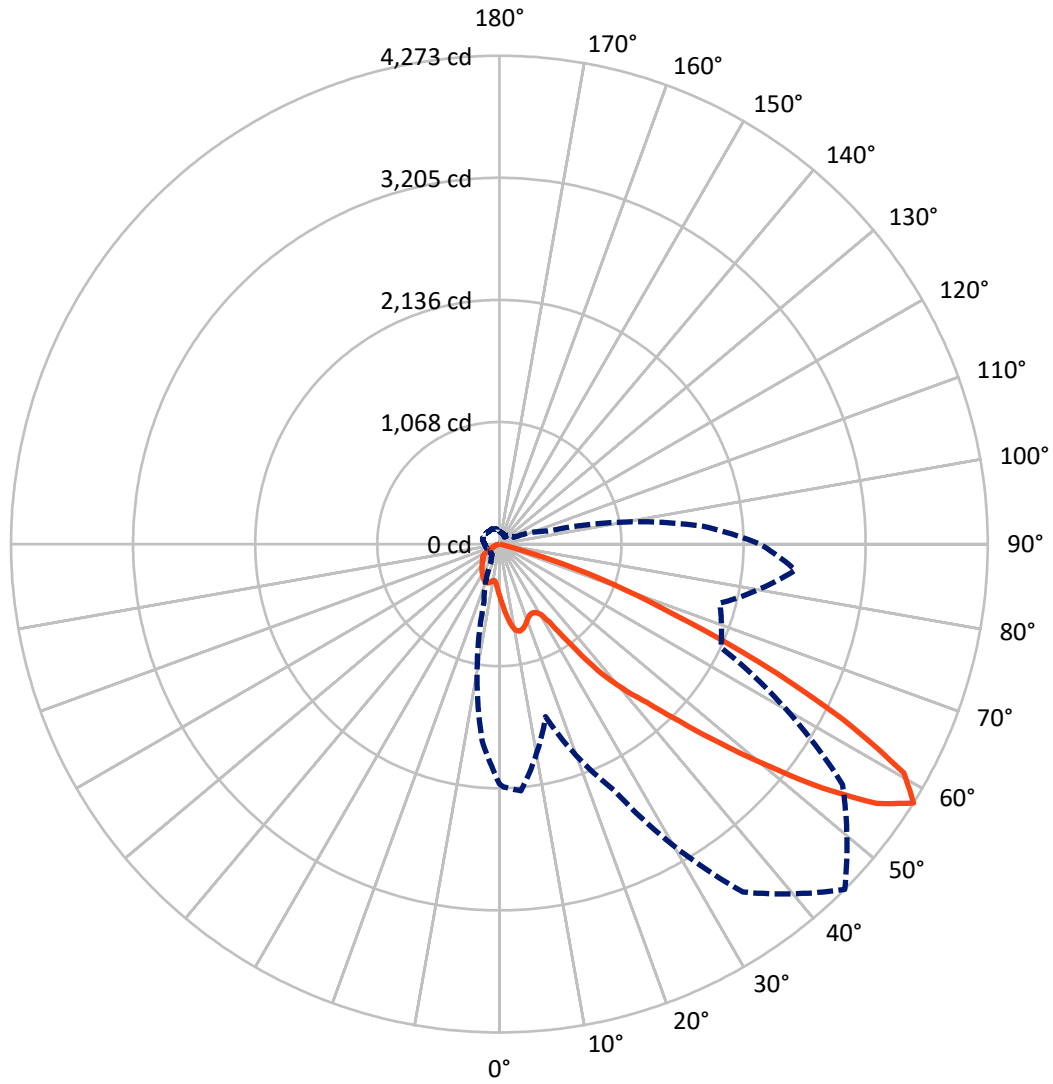
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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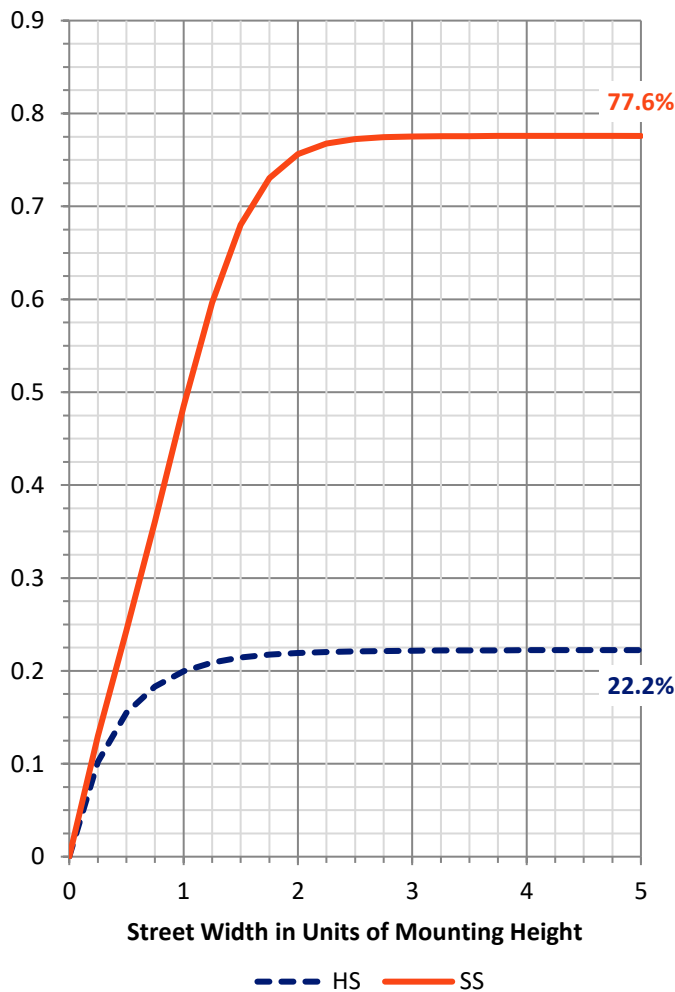
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	579.3	0.0	579.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	2007.8	0.0	2007.8
	% Fixture	77.6	0.0	77.6
Total	Lumens	2587.1	0.0	2587.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	1.7
10°-20°	144.7	5.6
20°-30°	235.1	9.1
30°-40°	363.2	14.0
40°-50°	582.4	22.5
50°-60°	796.0	30.8
60°-70°	385.5	14.9
70°-80°	35.3	1.4
80°-90°	0.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2587.1	100.0
0°-180°	2587.1	100.0

Coefficient of Utilization



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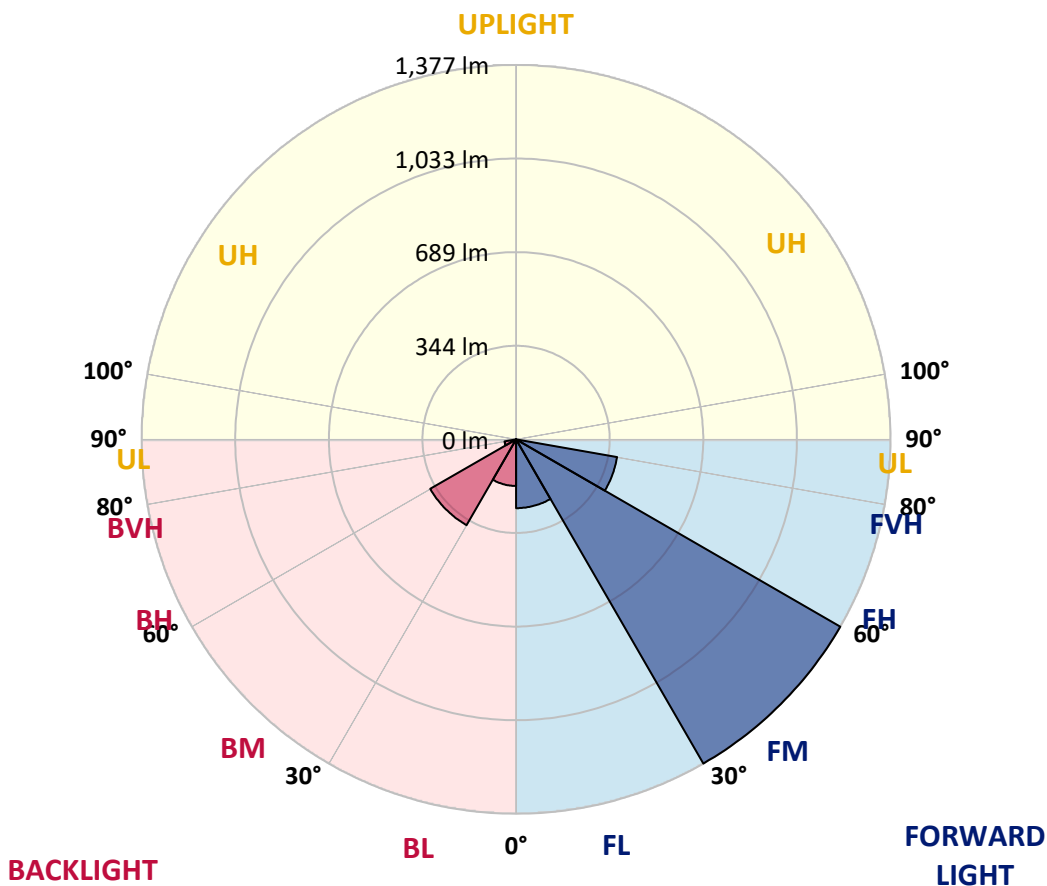
CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	253.1	9.8			
FM (30°-60°)	1377.2	53.2			
FH (60°-80°)	377.4	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	171.4	6.6	B1/500		
BM (30°-60°)	364.5	14.1	B1/1000		
BH (60°-80°)	43.4	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7
2.5°	492.6	495.7	500.9	512.1	521.5	527.7	530.5	529.8	526.0	523.2	517.6
5°	545.4	545.4	555.5	580.9	600.4	612.5	618.8	615.0	607.3	595.2	576.4
7.5°	591.7	593.4	610.5	646.6	676.2	693.5	703.6	701.5	688.0	664.7	627.1
10°	627.8	629.9	652.5	696.7	731.4	749.2	764.1	765.5	750.6	719.6	676.5
12.5°	662.9	665.0	688.7	731.1	761.7	769.0	782.2	787.4	783.6	761.7	716.8
15°	700.8	705.7	725.9	757.5	770.4	761.7	770.4	779.8	792.6	790.5	750.2
17.5°	738.0	741.5	762.0	773.1	758.9	736.3	740.5	751.6	780.8	809.3	783.2
20°	772.5	777.3	794.4	779.8	736.6	701.5	701.9	716.5	761.0	820.8	816.9
22.5°	808.6	815.9	828.1	787.1	716.1	674.1	675.8	689.0	745.3	831.6	855.2
25°	855.9	862.8	870.8	805.1	709.5	660.5	667.1	679.3	745.3	850.0	902.5
27.5°	919.9	924.7	925.1	838.9	721.0	662.6	676.5	690.4	767.6	886.8	965.7
30°	1000.2	1007.8	997.7	891.3	756.8	690.4	710.9	728.3	815.6	949.1	1058.9
32.5°	1097.8	1108.6	1095.1	969.2	831.6	786.4	823.6	833.6	892.0	1039.1	1164.6
35°	1212.6	1221.6	1207.0	1077.0	1006.1	1014.4	1081.8	1069.0	1045.7	1150.0	1288.0
37.5°	1338.4	1346.7	1318.6	1240.4	1264.0	1300.2	1407.9	1363.8	1288.7	1292.9	1421.8
40°	1453.8	1462.9	1418.7	1418.0	1466.7	1532.7	1662.8	1601.9	1499.7	1479.9	1547.3
42.5°	1573.4	1579.7	1539.7	1512.6	1623.1	1759.0	1896.7	1814.7	1639.5	1617.9	1704.5
45°	1744.1	1757.3	1686.0	1559.2	1763.9	2019.4	2211.3	2051.1	1734.7	1717.3	1945.0
47.5°	1995.1	2004.8	1859.5	1588.4	1895.0	2343.8	2604.5	2357.7	1818.5	1778.9	2273.9
50°	2202.6	2209.2	2019.1	1620.3	2034.4	2693.5	3052.6	2721.3	1912.7	1880.7	2580.9
52.5°	2355.6	2380.6	2228.7	1686.0	2217.6	3104.8	3548.7	3152.0	2059.8	2077.5	2835.3
55°	2387.2	2421.3	2371.9	1726.4	2378.9	3523.7	4006.9	3537.6	2206.5	2226.6	2920.9
57.5°	2098.0	2125.1	2166.1	1563.7	2375.1	3715.6	4272.8	3665.5	2139.7	1996.8	2600.7
60°	1571.7	1590.4	1664.8	1195.2	2184.2	3545.9	4065.6	3447.9	1871.0	1523.7	1981.5
62.5°	932.0	940.4	1034.6	774.2	1812.9	3053.7	3371.7	2975.1	1478.5	1024.8	1213.6
65°	357.7	354.2	426.2	382.1	1333.2	2432.4	2507.9	2268.0	1014.4	469.7	462.7
67.5°	55.3	52.8	71.3	113.0	961.6	1685.7	1654.8	1634.6	635.5	109.5	95.6
70°	12.5	12.5	15.3	33.4	587.5	990.4	1059.9	1010.6	406.7	23.3	12.5
72.5°	5.9	5.9	7.3	14.3	212.8	408.1	475.6	468.3	132.1	7.6	4.5
75°	2.1	2.4	2.4	3.1	12.9	21.2	48.7	34.8	8.3	0.0	0.0
77.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7
2.5°	505.5	503.0	494.0	481.8	470.0	459.6	448.8	435.9	426.6	415.8	412.3
5°	561.8	546.5	521.8	496.1	472.4	452.3	432.8	412.0	396.7	381.4	376.1
7.5°	609.4	586.8	546.8	508.2	475.9	447.4	419.3	390.7	368.5	350.4	344.9
10°	652.2	626.1	572.6	524.9	484.3	451.2	417.2	381.4	352.5	331.0	325.7
12.5°	689.0	658.8	594.5	537.4	487.7	449.8	416.8	388.3	362.2	337.6	331.0
15°	720.0	686.6	612.9	545.8	482.5	432.5	403.6	399.1	397.0	369.9	357.0
17.5°	750.2	712.7	627.8	549.6	467.9	401.9	381.0	401.5	423.4	405.7	389.4
20°	781.8	739.1	643.1	550.3	443.6	367.5	364.0	396.3	424.1	418.6	403.3
22.5°	819.0	772.1	662.3	550.0	413.0	338.3	351.5	386.2	408.8	408.5	396.3
25°	872.9	813.8	688.0	552.0	379.6	315.7	337.6	369.2	387.6	386.9	376.8
27.5°	930.6	863.5	721.3	557.3	351.1	302.4	321.2	345.9	361.9	361.2	352.5
30°	1011.6	920.9	753.3	557.6	330.6	295.5	303.1	320.2	335.5	333.7	327.1
32.5°	1110.0	985.6	780.1	537.8	317.7	288.9	284.4	293.1	304.9	302.4	300.7
35°	1228.9	1062.4	803.0	494.3	297.9	275.7	263.5	265.2	273.6	275.0	274.3
37.5°	1364.5	1153.8	831.6	437.0	271.2	256.6	240.2	238.8	243.7	248.2	251.7
40°	1498.3	1256.7	870.1	378.9	246.8	232.2	216.6	213.1	215.2	223.2	230.5
42.5°	1648.8	1376.0	911.9	329.2	230.1	205.5	190.5	183.9	189.8	202.7	211.4
45°	1865.8	1543.2	952.5	289.6	223.2	181.8	161.7	161.0	167.6	184.2	194.0
47.5°	2170.3	1759.4	979.3	258.6	222.8	163.4	139.4	143.6	151.2	167.6	178.7
50°	2467.2	2030.2	949.7	235.0	215.5	151.2	122.7	131.1	138.7	153.0	164.4
52.5°	2646.2	2175.9	834.7	212.8	192.9	145.7	106.4	121.0	122.4	135.2	147.4
55°	2627.4	2081.7	639.3	178.3	159.6	137.7	89.3	109.2	109.9	119.6	130.0
57.5°	2280.5	1787.2	439.1	144.6	119.9	113.7	73.7	92.1	98.7	104.6	112.3
60°	1699.6	1304.0	195.7	117.5	76.1	76.8	62.9	69.5	79.6	86.6	93.2
62.5°	1001.5	750.2	79.6	70.6	42.1	48.3	50.8	50.8	57.0	62.2	66.4
65°	378.6	262.5	32.3	35.5	21.9	22.6	29.9	36.8	41.7	46.2	51.8
67.5°	66.4	45.9	16.7	13.2	12.9	11.5	15.3	24.0	26.8	30.2	32.7
70°	11.1	9.4	7.0	6.6	5.9	6.3	10.1	17.0	18.8	19.8	20.9
72.5°	3.1	2.8	2.1	1.7	1.4	1.7	6.3	13.2	13.9	14.6	15.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.4	10.1	10.4	11.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.8	3.5	2.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7
2.5°	410.2	403.3	399.4	397.4	397.4	394.6	391.4	390.4	394.9	394.9	402.6
5°	369.5	364.0	357.7	353.9	348.0	349.0	345.6	345.2	349.7	351.8	359.8
7.5°	341.4	334.4	330.6	328.2	325.0	323.7	320.5	319.5	321.9	325.4	333.0
10°	322.6	321.6	321.2	323.0	323.0	321.2	318.4	316.7	317.4	324.0	332.7
12.5°	327.5	329.6	330.3	333.0	334.4	333.0	331.0	331.6	336.2	348.3	361.2
15°	348.7	346.9	346.2	347.6	348.7	347.3	346.6	351.8	367.5	384.8	399.4
17.5°	371.3	360.2	355.3	355.3	356.0	355.3	356.0	366.1	391.4	408.8	419.6
20°	382.7	362.2	354.6	352.9	354.2	354.6	357.0	368.5	396.3	408.5	410.9
22.5°	379.3	353.5	344.9	343.5	344.9	346.2	348.7	358.4	384.5	390.7	389.7
25°	361.9	336.5	329.6	329.6	332.7	332.3	333.4	340.3	361.9	365.7	364.0
27.5°	340.0	316.0	310.1	313.6	316.4	315.7	316.0	321.9	337.9	338.9	337.2
30°	317.7	296.9	291.3	295.5	299.3	298.6	299.0	304.9	315.0	313.9	311.5
32.5°	295.1	279.8	275.7	278.1	284.0	283.3	284.7	291.0	294.8	290.3	287.5
35°	274.3	266.3	263.2	264.6	269.1	270.1	272.5	276.7	276.7	271.2	266.3
37.5°	254.8	253.8	251.7	250.0	254.1	257.3	260.7	265.6	258.6	250.6	246.1
40°	236.7	241.3	238.5	234.0	236.4	240.9	247.9	251.7	243.3	235.4	227.7
42.5°	220.1	227.7	226.7	221.1	223.2	227.4	235.4	238.5	228.7	219.7	212.4
45°	204.1	214.8	215.5	208.6	210.7	214.8	224.2	225.3	212.8	203.0	197.8
47.5°	190.2	202.0	202.3	197.1	197.8	203.7	212.4	212.8	198.5	189.5	182.9
50°	176.9	190.5	191.5	187.0	187.7	194.7	202.0	200.6	185.3	175.9	170.0
52.5°	161.0	179.4	181.8	179.7	182.5	188.1	192.6	187.7	170.0	160.6	155.4
55°	143.6	167.6	172.8	171.4	174.5	179.0	180.1	176.9	154.7	145.3	140.4
57.5°	123.4	138.0	147.1	144.3	146.7	151.2	154.4	151.9	135.2	127.9	123.8
60°	102.2	111.9	114.0	109.5	107.4	115.4	122.7	119.6	105.3	100.8	95.9
62.5°	74.7	85.9	87.3	81.3	78.9	87.6	93.9	90.7	75.1	70.2	66.4
65°	59.8	70.2	73.0	67.4	66.1	72.7	76.5	68.8	57.7	52.5	48.3
67.5°	39.3	47.6	54.9	54.6	51.8	53.9	51.1	44.8	36.8	34.1	31.3
70°	24.3	29.2	33.7	35.5	35.1	34.4	30.6	26.1	23.6	22.6	21.2
72.5°	18.8	23.6	27.1	28.2	28.5	27.5	24.3	20.2	17.7	16.3	15.3
75°	13.9	17.7	20.5	21.9	22.6	21.9	18.8	16.0	13.6	12.5	11.5
77.5°	4.9	5.9	7.3	8.0	7.6	7.3	6.6	6.6	5.2	4.9	4.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7
2.5°	411.3	417.5	429.0	439.4	450.5	462.0	474.5	487.4	493.3	492.6
5°	372.0	385.5	404.3	424.8	447.8	472.4	499.9	528.1	540.2	545.4
7.5°	347.3	366.4	391.1	417.2	447.4	482.5	523.9	568.0	585.8	591.7
10°	350.4	372.7	393.2	418.6	450.9	496.4	547.9	600.4	621.2	627.8
12.5°	375.8	380.7	386.2	407.1	447.8	506.9	569.8	632.4	656.3	662.9
15°	398.7	376.1	365.7	384.8	436.6	514.2	592.0	666.8	693.2	700.8
17.5°	399.8	365.7	342.4	357.4	418.6	517.3	613.9	701.9	730.7	738.0
20°	386.9	354.2	324.3	324.7	393.9	516.6	632.0	733.5	765.8	772.5
22.5°	368.1	340.7	309.7	299.0	367.5	515.2	651.8	767.2	802.3	808.6
25°	347.3	323.3	295.8	279.5	341.0	516.6	679.6	811.4	850.0	855.9
27.5°	324.7	304.2	285.1	271.9	318.8	521.8	713.0	867.7	913.6	919.9
30°	301.1	285.8	278.1	270.1	304.9	523.2	749.2	933.4	991.5	1000.2
32.5°	277.8	269.4	269.8	271.2	291.7	513.5	782.2	1006.4	1083.9	1097.8
35°	256.2	253.8	260.7	267.7	272.5	488.4	811.0	1092.6	1198.3	1212.6
37.5°	237.8	239.9	248.6	255.5	251.7	453.0	849.3	1200.4	1326.2	1338.4
40°	220.1	225.3	235.4	238.5	235.7	411.6	895.2	1304.3	1437.1	1453.8
42.5°	203.7	207.5	221.8	222.5	231.2	369.5	939.3	1416.3	1564.7	1573.4
45°	190.5	189.8	204.4	208.9	237.1	323.0	982.4	1565.4	1731.6	1744.1
47.5°	177.6	176.9	180.4	200.9	239.5	279.8	1025.2	1783.7	1973.5	1995.1
50°	165.5	166.5	155.7	197.1	226.3	246.8	1044.7	1985.7	2193.6	2202.6
52.5°	154.7	150.9	132.1	184.6	198.2	215.5	989.4	2077.5	2329.9	2355.6
55°	139.4	118.2	108.8	149.8	156.4	188.1	810.3	2024.3	2341.7	2387.2
57.5°	119.2	92.8	92.5	110.5	110.5	174.5	519.0	1729.5	2018.0	2098.0
60°	91.8	72.0	76.5	76.8	70.9	127.2	291.3	1252.9	1492.1	1571.7
62.5°	65.4	54.9	57.7	45.9	40.7	63.6	139.8	721.3	920.9	932.0
65°	43.8	37.2	30.2	25.4	25.0	27.1	57.7	260.7	317.0	357.7
67.5°	28.9	22.6	16.0	16.0	18.1	18.1	21.9	43.1	60.5	55.3
70°	18.8	15.6	10.1	9.7	11.8	11.8	11.1	11.8	12.5	12.5
72.5°	13.9	11.8	5.9	5.2	6.6	7.0	6.3	5.9	5.9	5.9
75°	10.4	8.3	3.5	2.4	3.1	4.2	3.5	2.4	2.4	2.1
77.5°	4.2	3.1	1.4	1.0	1.7	2.4	2.1	1.0	0.7	0.7
80°	0.3	0.7	0.7	0.7	1.0	1.4	1.7	0.7	0.3	0.3
82.5°	0.0	0.3	0.3	0.3	0.7	1.0	1.4	0.7	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.7	1.0	0.7	0.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.3	1.0	0.7	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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